



199293

Sequence Listing

<110> Buchanan, F.
<110> Thue, T.D.
<110> Winkelmann-Sim, D.
<120> CRH and POMC Effects on Animal Growth
<130> 1696-04-02
<141> March 31, 2004
<160> Number of SEQ ID NOS: 9
<170> Microsoft Office 2004; Windows XP Professional O/S.

<210> SEQ ID NO: 1
<211> LENGTH: 584 base pairs
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<220> FEATURE: SNPs present at nucleotides 22 ("CRH4"), 145 ("CRH45") and 240 ("CRH77").
<223> OTHER INFORMATION: GenBank Accession AF340152

<400> SEQUENCE 1
1 cggccgctaa aatgcgactg ccgcgtctcg tggccgtggg cgtcctgctg gtggctctgc
61 tgcctcccc gccatgcagg gccccttcata gcccggggcc catcccggtt gcccggcagg
121 catcacagca ccccccagcccc ctgagtttct tccagccgcc gcccagcccc caggaaccccc
181 aggctctgcc caccctactc cgtgttgggg aggaatactt cctccgcctg ggtaacctcg
241 atgagacccg ggctgctccs ctctctcccg ccgcctcgcc tctcgccagc agaagcagca
301 gtcgcctttc tccggacaag gtggccgcca actttttccg agcgctgctg cagccccggc
361 gcccattcga cagcccagcg ggtcccgcgg aacgcggcac ggagaacgc ctcggcagcc
421 gccaggaggc gccggccgccc aggaagaggc gatcccagga acctcccatc tccctggatc
481 tcaccttcca cctcctccga gaagtcttgg aaatgaccaa ggccgatcag ttagcacagc
541 aagctcatar caayaggaaa ctgttgacaa ttgctggaa atga

<210> SEQ ID NO: 2
<211> LENGTH: 1002 base pairs
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<220> FEATURE: SNP at position 254
<223> OTHER INFORMATION: GenBank Accession J00021

<400> SEQUENCE 2
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121 ccgacctctc cggcggacgc ccgggtttcc ccggcaacgg cgatgagcag ccgctgactg
181 agaaccggccg gaagtacgtc atggccatt tccgctggga ccgcttcggc cgtcgaaatg
241 gtagcagcag cagcggagggtt gggggcgcgg cccagaagcg cgaggaggaa gtggcggtgg
301 gcaaggccc cgggccccgc ggcgtatgacg ccgagacggg tccgcgcgag gacaagcggt
361 cttactccat ggaacacttc cgctggggca agccgggtgg caagaagcg cggccgggtga
421 aggtgtaccc caacggcgcc gaggacgagt cggcccaggc cttccccctc gaattcaaga
481 gggagctgac cggggagagg ctcgagcagg cgcgcggccc cgaggcccag gctgagagtg
541 cggccgccc ggctgagctg gagtatggcc tggggcggaa ggcggaggct gaggcgccg
601 agaagaagga ctcggggccc tataagatgg aacacttccg ctggggcagc ccgcccagg
661 acaagcgcta cggcggttcc atgacctccg agaagaggca aacgcccctt gtcacgctgt
721 tcaaaaaacgc catcatcaag aacgcccaca agaagggcca gtgagggcgc agcggcagg
781 ggcctcttc cgcggaaagt tgaccctgaa ggcctctt ctggccctct accgcctcgc
841 agcctgggtg aggattcgcc caggcgtga tggcgcagg tatcccgact cttaaagctg
901 tctgttagtta agaaataaaa ccttcaagt ttacacgata ttgactgggt gaattaaaaaa
961 cgcatttcca tcaagtaaaag ggcagtgatcat attggagggg cg

<210> SEQ ID NO: 3

199293

<211> LENGTH: 1809 base pairs
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<223> FEATURE: SNP at position 1069
<223> OTHER INFORMATION: Genbank Accession No. AF265221
<400> SEQUENCE 3
1 cagcctaaga tttccaagtg atgctgacca gagccacact tgaaaagagac taaaaacttc
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121 aactttcggtt tggggcaagt caagactgga gaaagggtct gaggctgcca gatccaggag
181 gttcagtcag tccagagggg acctgaatcc aaaatgaact ctaccgcaccc ctttggatg
241 cacacctctc tccactcttgc gaaccgcagc gcccacggaa tgcccacaa tgtcagttag
301 tccctggcaa aaggctactc ggacgggggg tgctatgagc agcttttgt ctctcccgag
361 gtgtttgtga ctctgggggt catcagcttgc ttggagaata ttctgggtat cgtggccata
421 gccaagaaca agaatctgca ctcacccatg tacttttca tctgcagcct ggctgtggct
481 gacatgttgg tgagcgttgc caacgggtcg gaaaccattt tcattcaccct gctgaacagc
541 acggacacgg acgcgcagag cttcacggtg gatattgaca atgtcatttga ctcggtgatc
601 tgttagctcct tgcttgcctc catctgcagc ttgtctgtca tcgcgggtgg caggtacttc
661 actatcttct atgcgctcca gtaccataac atcatgacgg tgaagcgggt ggcgatcacc
721 atcagcgcca tctgggcagc ctgcacgggt tcgggcgtct ttttcatcat ttactcagac
781 agcagtgtcg ttatcatgt cctcataccat gtgttcttca ccatgctggc tctcatggcg
841 tctctctatg tccacatgtt cctcatggcc agactccaca ttaagaggat cgcggcttg
901 ccaggtagcg gcaccatccg ccaggcgcc aacatgaagg gggcgattac cctgaccata
961 ctgatcgcccc tctttgttgc ctgtggggcc cccttcttcc tgcacctgtat attctacatc
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1081 ctcatcatgtt gcaattccat cattgaccct ctgattttatg ccctgcggag ccaagaactg
1141 aggaaaacctt tcaaagagat catttgttgc ttcctcttag gtggcctctg tgatttgtct
1201 agcagatatt aaatggggac aaacgcgtatg ctaaacacaa gcttaagaga ctttctctt
1261 ctcatatgtt caacctgaac agtctgtatc agccacagct ttttctctg ttagggcat
1321 ggagtgaaaaa tttctattgt atcattttttt gtttgcattt ttttctgtat gtgaaacagt
1381 gcccagtctt ggtgtatTTT taatgtcatg ctactttctg gctgtaaaat gtgaatccac
1441 atcacagggtt ataggcacta tgcattata aaaaaagaag aaaaaaagtcc ttatgagga
1501 gtttaacagt gtttccttct ttttattttac aaggatgtga cactttgcct gctttgtaa
1561 catggaaatc acagcttcat taatgtatc ctcataagt gtttttttat gttataactt
1621 acaacactga agtgtaaaaa ttttgcatttgc gcatttaggg gagaatatt gagaacatatt
1681 tgcttaatca taaaaaacaa gctgaaatTTT caggtaatTTT aataagactt tctcatatc
1741 tcttcctgtt cagaagttga aatgaagttt gtattggag aaaaacagtt acttttttttt
1801 aaaaaaaaaaaaaaaa

<210> SEQ ID NO: 4
<211> LENGTH: 22
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<223> OTHER INFORMATION: Forward primer for DNA amplification of sequences within
SEQ ID NO: 1.

<400> SEQUENCE 4
1 gcgcccgcta aaatgcgact ga 22

<210> SEQ ID NO: 5
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<223> OTHER INFORMATION: Reverse primer for DNA amplification; sequence is the
reverse complement of the corresponding sequence in SEQ ID NO: 1.

<400> SEQUENCE 5
1 ctgtatgcc tgccggcac 20

199293

<210> SEQ ID NO: 6
<211> LENGTH: 21
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<223> OTHER INFORMATION: Forward primer for DNA amplification of sequences within SEQ ID NO: 2.

<400> SEQUENCE 6
1 cgtgcacccg ggcctgcaag c 21

<210> SEQ ID NO: 7
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<223> OTHER INFORMATION: Reverse primer for DNA amplification; sequence is the reverse complement of the corresponding sequence in SEQ ID NO: 2.

<400> SEQUENCE 7
1 gtcagctccc tcttgaattc gag 23

<210> SEQ ID NO: 8
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<223> OTHER INFORMATION: Forward primer for DNA amplification of sequences within SEQ ID NO: 3.

<400> SEQUENCE 8
1 taccctgacc atactgatcg 20

<210> SEQ ID NO: 9
<211> LENGTH: 22
<212> TYPE: DNA
<213> ORGANISM: Bos taurus
<223> OTHER INFORMATION: Reverse primer for DNA amplification; sequence is the reverse complement of corresponding sequence in SEQ ID NO: 3.

<400> SEQUENCE 9
1 agagcaacaa atgatctctt tg 22